

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Detering et al.

Serial No.: 10/633,464

Filed: July 31, 2003

For: FAST QUENCH REACTOR AND
METHOD

Confirmation No.: 7420

Examiner: S. Kastler

Group Art Unit: 1742

Attorney Docket No.: EGG-PI-413 RE/RE

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

03 Jan 2006
Date

Signature

Kathy Harris

Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of U.S. patents and U.S. patent publications are not being submitted pursuant to M.P.E.P. 609 III A(2). Copies of foreign patent documents and non-patent literature are enclosed pursuant to 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

10633464

050565

01/09/2006 RHEBRAFT 00000064

180.00 DA

01 FC:1806

Serial No. 10/633,464

defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

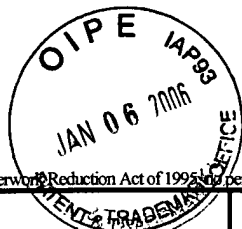
The fee pursuant to 37 C.F.R. § 1.17(p) is enclosed.

Respectfully submitted,



Stephen R. Christian
Registration No. 32,687
Attorney for Applicants
P.O. Box 1625
Idaho Falls, ID 83415-3899
Phone: (208) 526-9140
Fax: (208) 526-8339

Date: 3 JAN 2004



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/633,464
Filing Date	July 31, 2003
First Named Inventor	Detering et al.
Group Art Unit	1742
Examiner Name	S. Kastler
Attorney Docket Number	EGG-PI-413 RE/RE

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		2,475,282	07/1949	Hasche	
		2,552,308	05/1951	Buchmann et al.	
		2,686,195	08/1954	McAdams et al.	
		3,668,108	06/1972	Houseman	
		3,682,142	08/1972	Newkirk	
		3,848,068	04/1971	Rice	
		3,891,562	06/1975	Mogensen et al.	
		3,914,573	10/1975	Muehlberger	
		3,976,442	08/1976	Paull et al.	
		3,989,512	11/1976	Sayce	
		4,182,746	01/1980	Myint	
		4,309,359	01/1982	Pinto	
		4,315,893	02/1982	McCallister	
		4,670,359	06/1987	Beshty et al.	
		4,833,170	05/1989	Agee	
		4,844,437	07/1989	Heck et al.	
		5,017,196	05/1991	Dewitz	
		5,110,565	05/1992	Weimer et al.	
		5,409,784	04/1995	Bromberg et al.	
		5,425,332	06/1995	Rabinovich et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		GB 1 248 595	10/06/1971	Ionarc Smelters Ltd.		
		EP 0 282 291 B1	06/24/1992	Saiki et al.		
		WO 93/12205	06/24/1993	Lynum et al.		
		EP 0 618 951 B1	09/04/1996	Lynum et al.		
		WO 96/28577	09/1996	Detering et al.		
		WO 98/19965	05/14/1998	Sethuram et al.		
		WO 01/58625 A1	08/16/2001	Deegan et al.		
		WO 01/78471 A1	10/18/2001	Johnson		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

3

Complete if Known

Application Number	10/633,464
Filing Date	July 31, 2003
First Named Inventor	Detering et al.
Group Art Unit	1742
Examiner Name	S. Kastler
Attorney Docket Number	EGG-PI-413 RE/RE

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		5,437,250	08/1995	Rabinovich et al.	
		5,451,738	09/1995	Alvi et al.	
		5,481,080	01/1996	Lynum et al.	
		5,486,313	01/1996	De Jong et al.	
		5,538,706	07/1996	Kapoor et al.	
		5,500,501	03/1996	Lynum et al.	
		5,527,518	06/1996	Lynum et al.	
		5,582,927	12/1996	Andricacos et al.	
		5,723,505	03/1998	Chaumette et al.	
		5,725,616	03/1994	Lynum et al.	
		5,733,941	03/1998	Waycuilis	
		5,852,927	12/1998	Cohn et al.	
		5,861,441	01/1999	Waycuilis	
		5,883,138	03/1999	Hershkowitz et al.	
		5,886,056	03/1999	Hershkowitz et al.	
		5,887,554	03/1999	Cohn et al.	
		5,984,997	11/1999	Bickmore et al.	
		6,127,645	10/2000	Titus et al.	
		6,187,226 B1	02/2001	Detering et al.	
		6,395,197	05/2002	Detering et al.	
		RE 37,853	09/2002	Detering et al.	
		2004/0208805	10/2004	Fincke et al.	
		6,821,500	11/2004	Fincke et al.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3

of

3

Complete if Known

Application Number	10/633,464
Filing Date	July 31, 2003
First Named Inventor	Detering et al.
Group Art Unit	1742
Examiner Name	S. Kastler
Attorney Docket Number	EGG-PL 413 PE/PE

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		European Search Report dated April 9, 2003.	
		Olsen et al., "Unit Processes and Principles of Chemical Engineering," D. Van Nostrand Co., Inc., July 5, 1932, pages 1-3.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.